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This index covers all technical items - papers, correspondence, reviews, etc. - that appeared in this periodical during 1997, and items from previous years that were commented upon or corrected in 1997.

The Author Index contains the primary entry for each item, listed under the first author's name, and cross-references from all coauthors. The Subject Index contains several entries for each item under appropriate subject headings, and subject cross-references.

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Noise; cf. Electromagnetic interference
Numerical analysis; cf. Iterative methods
Numerical stability
EM field calcs., FDTD algm. num. dispersion study. *Represa, J., + , T-E Feb 97* 98-102

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Optical fiber theory
Eikonal ray eqns. in opt. fibers. *Pieper, R.J., + , T-E May 97* 139-143
Optical imaging; cf. Robot vision systems
Optical propagation in nonhomogeneous media
Eikonal ray eqns. in opt. fibers. *Pieper, R.J., + , T-E May 97* 139-143
Optical variables measurement; cf. Photometry
Optical waveguide theory; cf. Optical fiber theory
Optics; cf. Geometrical optics

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Parallel languages
program emulation, undergraduates teaching. *Doherty, B.S., + , T-E Feb 97* 1-11
Parallel processing
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Parallel processing; cf. Pipeline processing
Partial differential equations
EM field hyperb. partial diff. eqns., spreadsheet soln. *Kharab, A., + , T-E Feb 97* 103-110
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Pipeline processing
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Plasma materials-processing applications
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Power conversion; cf. DC-DC power conversion
Power electronics
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Power engineering education
Mathead software package, insructional feedback in elec. engng. labs. *Agelidis, V.G., T-E Feb 97* 111-114
Power supplies
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Programmable logic arrays
digital design teaching, prog. approach. *Nixon, M.S., T-E Aug 97* 195-206
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dlpsim data link protocols education tool. *King, P.J.B., T-E Aug 97* 172-178

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Ray tracing
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Real time systems
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Relaxation oscillators; cf. Flip-flops
Research and development; cf. Product development
Reviews; cf. Book reviews
Robot kinematics
RHINO educational robot, software interface improvement. *Mrad, F.T., + , T-E Aug 97* 184-189
Robots
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Semiconductor materials
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Software; cf. Simulation software
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occam program emulation, undergraduates teaching. *Doherty, B.S., + , T-E Feb 97* 1-11
Software packages
Mathead software package, insructional feedback in elec. engng. labs. *Agelidis, V.G., T-E Feb 97* 111-114
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† Check author entry for subsequent corrections/comments

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Technology transfer
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Transforms; cf. Bilinear transformations
Transistors; cf. Bipolar transistors

U

User interfaces
RHINO educational robot, software interface improvement. *Mrad, F.T., + , T-E Aug 97* 184-189
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